

Reporting Period: 09-15-04 to 12-15-04

Otay River Watershed Management Plan

Summary of Work Completed During This Reporting Period (List all tasks)

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
1 Project Management and Administration	1.1 Quarterly Progress Report	3/15/04 and quarterly thereafter	70%	3/15/04 6/15/04 9/15/04 12/15/04
2 Watershed Assessment	2.1 Draft Technical Report	07/16/04	90%	8/6/04
	2.2 CD-ROM of GIS-based data inventory for the watershed	07/16/04	90%	8/6/04
	2.3 CD-ROM of existing and proposed compatible uses	07/16/04	90%	8/6/04
	2.4 CD-ROM of baseline watershed indicators	08/31/03	90%	8/6/04
3 Development of Functions and Values Products	3.1 Draft Water Quality and Hydrology Analysis (Model)	10/31/04	90%	Draft PLOAD Workbook presented at 12/1/04 Working Group Meeting
	3.2 GIS-based tool to identify high priority projects within the watershed	10/31/04	90%	Draft tool presented at 11/3/04 Working Group Meeting
	3.3 Summary of point and nonpoint sources of pollution	11/30/04	80%	

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
	3.4 Draft Watershed Management Objectives	10/31/04	90%	8/4/04 (First Draft) 09/01/04 (Second Draft) 12/01/04 (Third Draft)
	3.5 List of most effective management objectives	11/19/04	20%	
	3.6 Draft watershed protection, restoration and management strategies	11/24/04	50%	
	3.7 Draft Adaptive Management strategies and objectives	11/24/04	10%	
	3.8 Draft water quality monitoring strategy	11/30/04	80%	
4 Watershed Management Plan Development	4.1 Draft Watershed Management Plan	01/31/05	0%	
	4.4 Final Watershed Management Plan	04/30/05	0%	

Introduction

During the reporting period, the Consultant Team focused on the functions and values products, including the water quality analytical tool (PLOAD model, a component of USEPA's BASINS model); the GIS-based watershed decision support tool; the point and non-point sources of pollution report; the list of WMP goals and objectives; the list of most effective BMPs and objectives; the watershed protection, enhancement, restoration, and management strategies; the adaptive management strategies and objectives; and the water quality monitoring strategy. The Team received a few stakeholder comments and is waiting for additional comments from the County before finalizing the Watershed Assessment Technical Report; the watershed GIS inventory; the existing and proposed compatible uses in the floodplain; and the baseline indicators (biologic, water quality, hydrologic/geomorphic, socioeconomic, land use). The remaining functions and values products are expected to be provided to the County and Working Group for review by early or mid-January. The draft WMP is expected to be provided to the County and Working Group for review by the end of February.

Summary of Activities

Task 1: Project Management and Administration (70% complete)

- 1.1 Aspen Environmental Group has prepared and submitted the fourth Quarterly Report (this document). Future quarterly reports will be submitted to the County by March 15, 2004 and, if requested, June 15, 2004.

Task 2: Watershed Assessment (Cumulative 90% complete)

- 2.1 The Team received a few comments from stakeholders during the period. We are waiting for comments from the County before finalizing the Watershed Assessment Technical Report, which was submitted on August 6, 2004.
- 2.2 The Team received a few comments from stakeholders during the period. We are waiting for comments from the County before updating the GIS database for the watershed, which was submitted on August 6, 2004. Of course, this inventory can be updated as additional information becomes available.
- 2.3 The Team is waiting for comments from the County before finalizing the map and spreadsheet of existing and proposed compatible uses in the floodplain of the Otay River and its major tributaries, including Jamul Creek, Dulzura Creek, Salt Creek, Poggi Canyon Creek, Proctor Valley Creek, Hollenbeck Canyon Creek, and O'Neal Canyon Creek, which were submitted on August 6, 2004.
- 2.4 The Team is waiting for comments from the County before finalizing the baseline watershed indicators (water quality, geomorphic/hydrologic, biologic, and socioeconomic and land use) short reports, which were submitted on August 6, 2004.

Task 3: Development of Functions and Values Products (Cumulative 50% complete)

- 3.1 The Team prepared the PLOAD modeling application (as an Excel-based Workbook) to predict pollutant loadings in different parts of the watershed under current conditions. This Workbook was presented during the December 1, 2004 Working Group meeting. Refinements are being made based on data being obtained from the City of San Diego, and this tool is nearly ready for use in BMP/land use scenario modeling to be conducted under Task 3.5.
- 3.2 The Team developed a GIS-Based Watershed Decision Support Tool, which can be used to identify/prioritize projects that would benefit water quality and other natural resources in this watershed. It will integrate the PLOAD application, and it will include a web access component to assist members of the public in identifying resource issues in different parts of the watershed. The web access component is ready, and refinements are being made to improve the tool. An early version of this tool was presented to the Working Group on November 3, 2004.
- 3.3 The Team is completing the Draft Point and Non-Point Sources of Pollution Report. An outline of this Report was presented at the December 1, 2004 Working Group meeting.
- 3.4 The Team has worked with the County and stakeholders to develop the Draft WMP Goals and Objectives. The Team examined the September 1, 2004 version of this list and made recommendations, which were submitted to the stakeholders for review during the December 1, 2004 Working Group meeting.
- 3.5 The Team has begun incorporating a BMP-evaluation component into the PLOAD model, so that different BMPs can be evaluated for 28 management areas or sub-basins in this watershed. This evaluation will identify the most effective BMPs for different parts of the watershed and provide the Team with a better sense of which objectives can be achieved.
- 3.6 The Team has been identifying protection, enhancement, restoration, and management strategies for this watershed, based on a number of data sources. One important data source that has been unavailable is the SAMP Planning Principles Document. This latter document is in preparation, but its unavailability has delayed preparation of a full strategies document. The PLOAD tool will assist this effort as well.
- 3.7 The Team has begun work on the adaptive management strategies and objectives. This document depends on the strategies document developed under Task 3.6.
- 3.8 The Team has been developing the water quality monitoring strategy, a draft of which is nearly complete.

Task 4: Watershed Management Plan Development (Cumulative 0% complete)

- 4.1 No work performed this period.
- 4.2 No work performed this period.
- 4.3 No work performed this period.
- 4.4 No work performed this period.